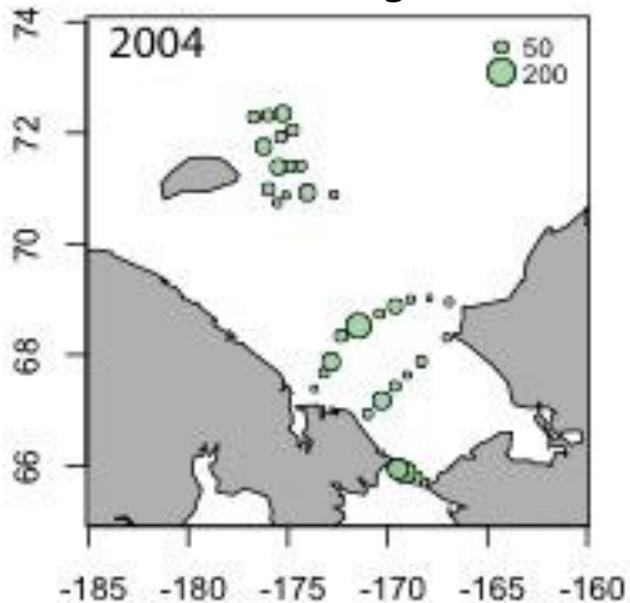
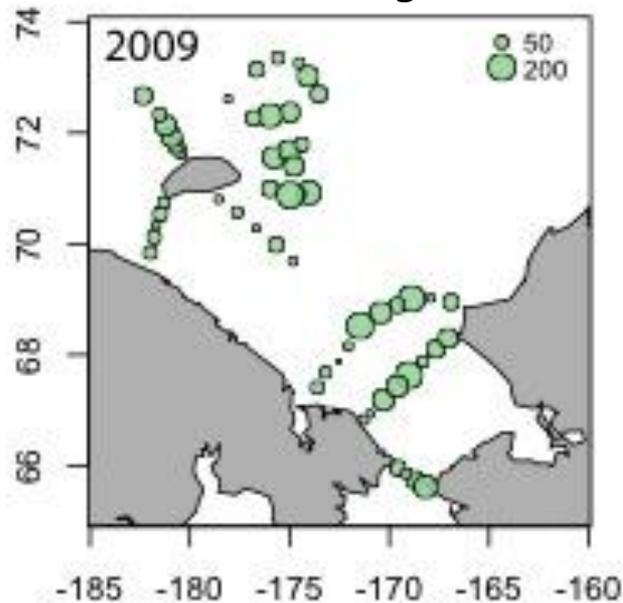


**42 mg DW m<sup>-3</sup>**

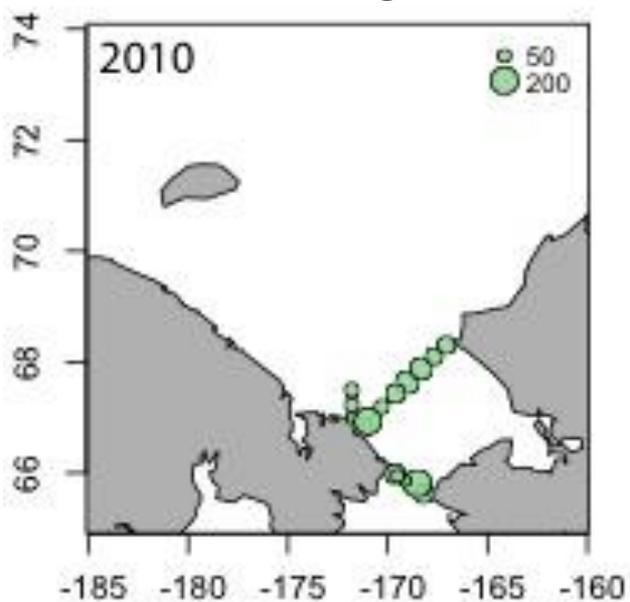


**72 mg DW m<sup>-3</sup>**

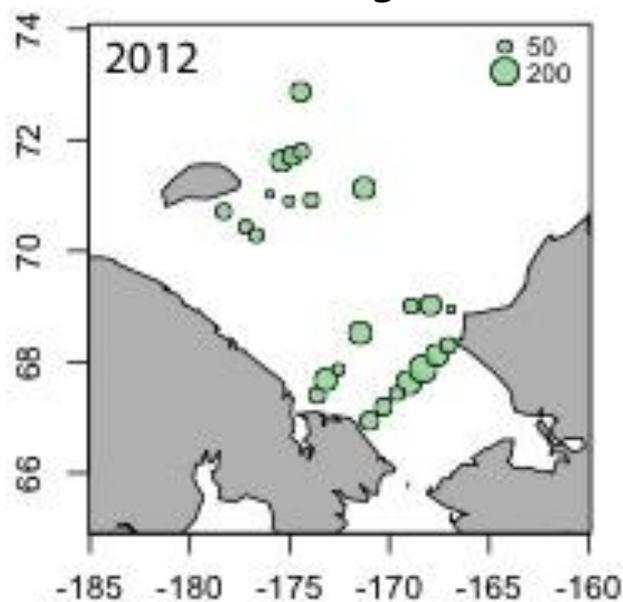


Total  
holozooplankton  
biomass,  
mg DW m<sup>-3</sup>

**63 mg DW m<sup>-3</sup>**

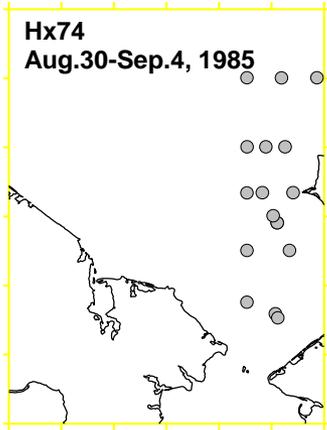


**76 mg DW m<sup>-3</sup>**

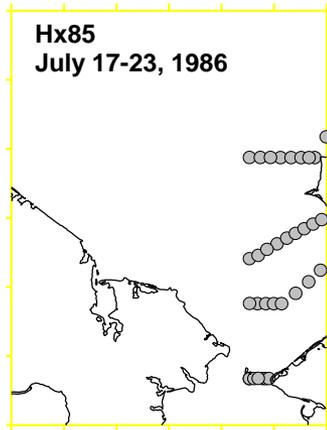


# Some more inter-annual comparisons...

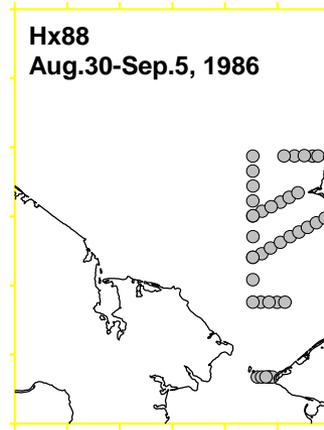
122 mg/m<sup>3</sup>



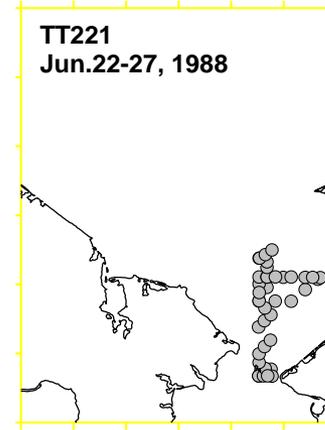
71 mg/m<sup>3</sup>



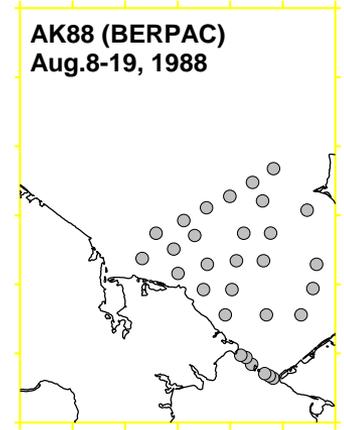
55 mg/m<sup>3</sup>



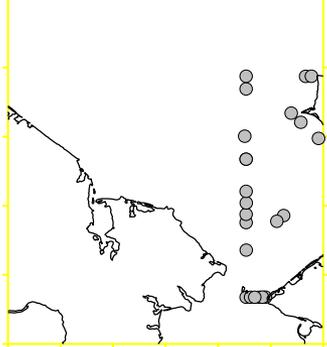
13 mg/m<sup>3</sup>



28 mg/m<sup>3</sup>

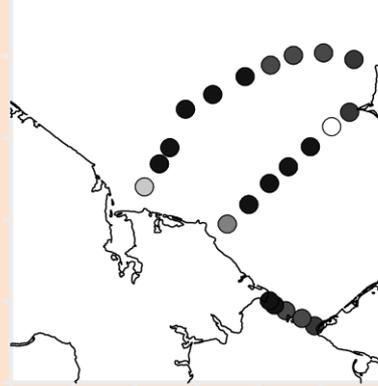


Hx128  
Jul.20-24, 1989



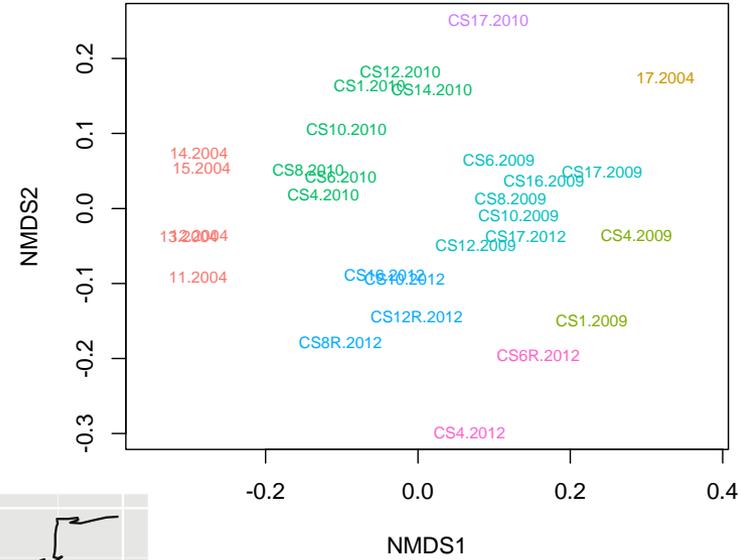
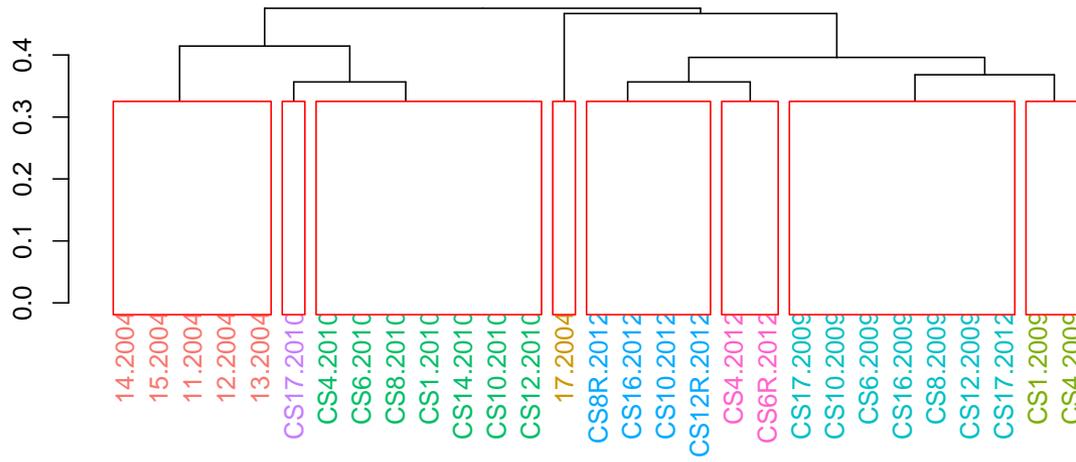
68 mg/m<sup>3</sup>

R  
A  
RUSALCA  
2004-2012



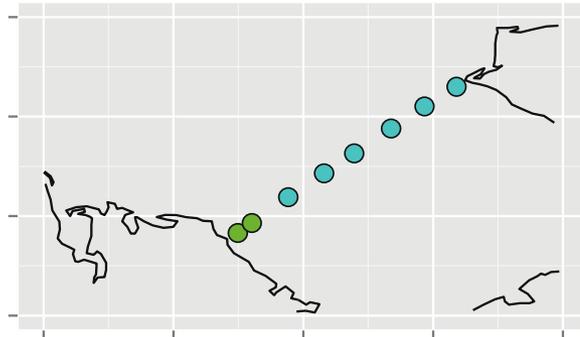
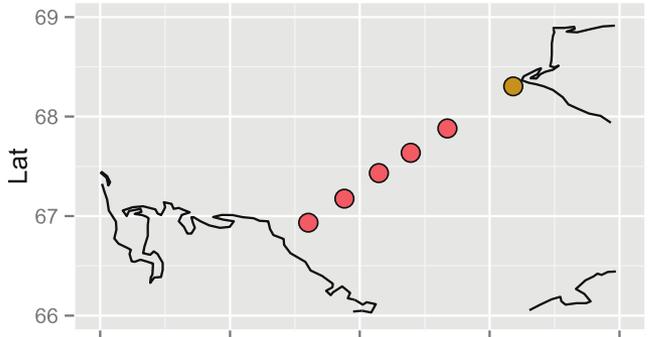
- Aug 2004 - 55 mg/m<sup>3</sup>
- Sept 2009 – 76 mg/m<sup>3</sup>
- Aug 2010 – 70 mg/m<sup>3</sup>
- Sept 2012 – 78 mg/m<sup>3</sup>

(total biomass)



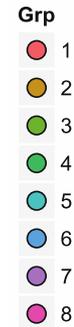
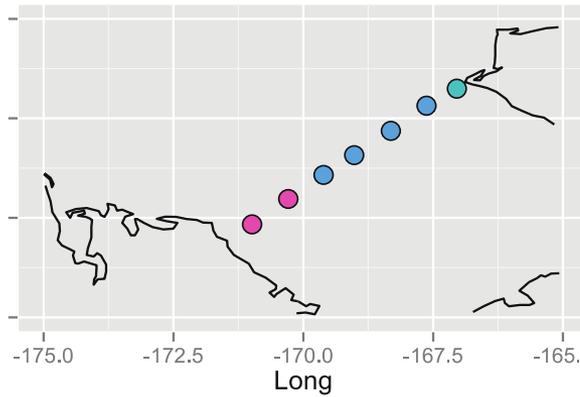
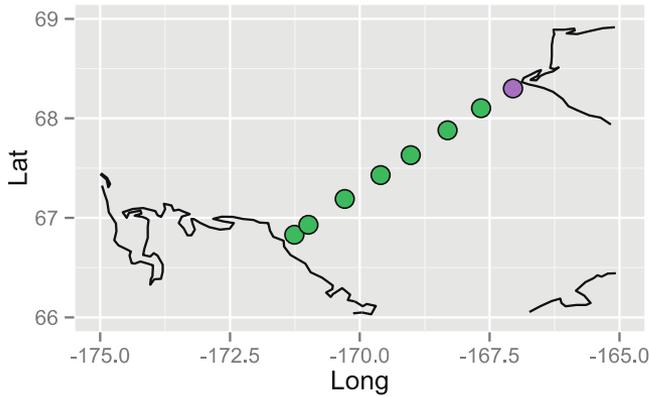
2004

2009



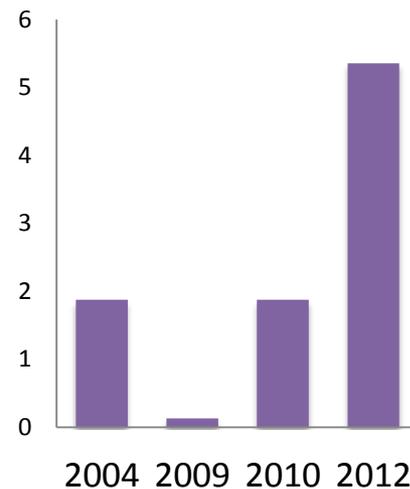
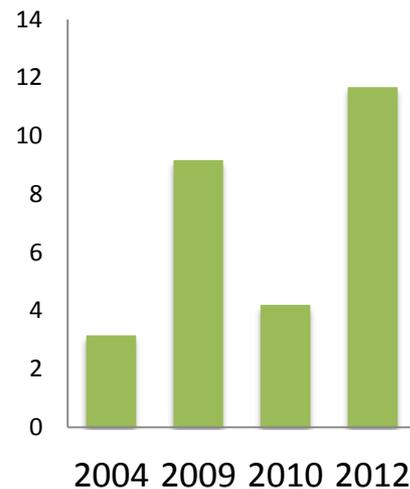
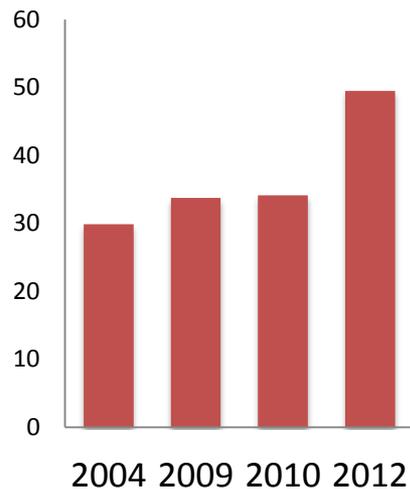
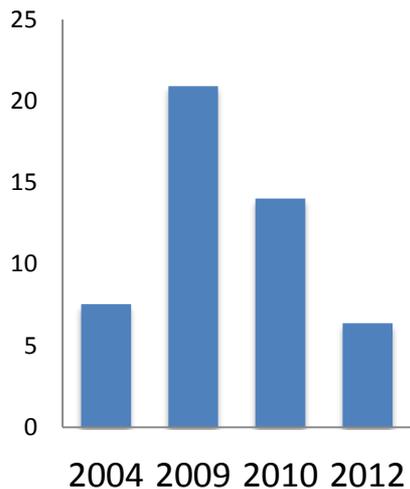
2010

2012



Inter-annual differences are stronger than differences between water masses

# Inter-annual variability in biomass of different groups (Southern Chukchi - BS, CS, CL lines)

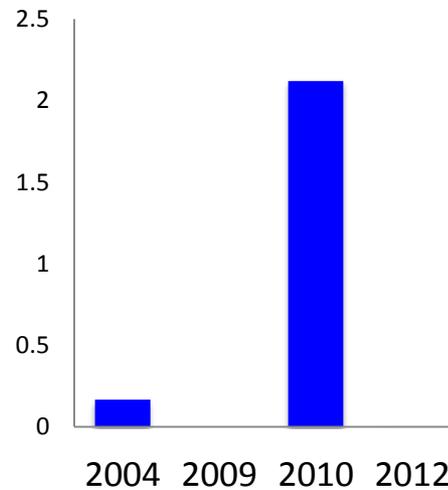
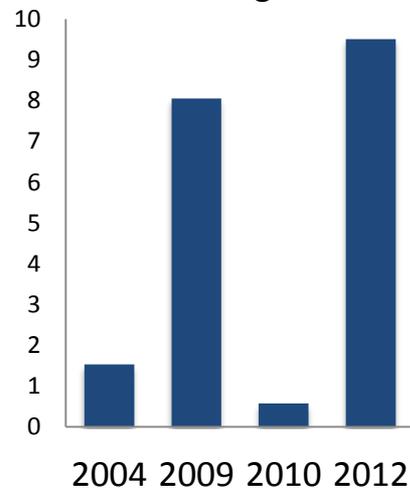
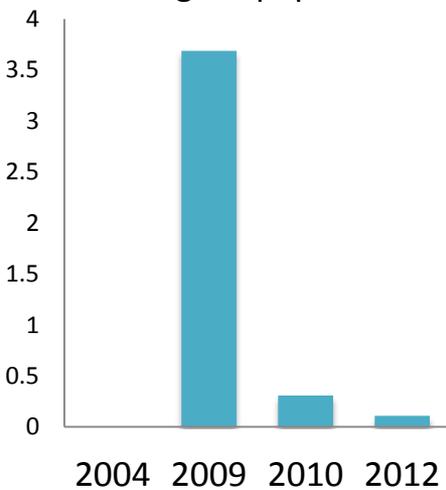
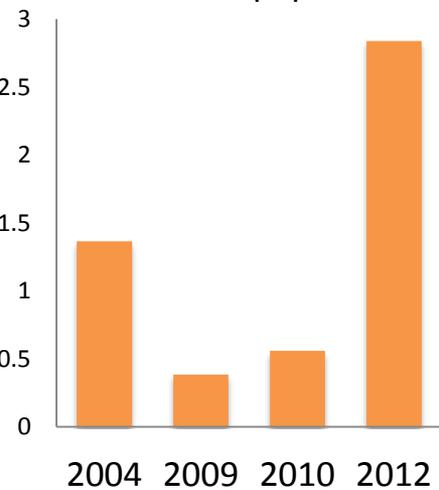


Small copepod

Large copepod

Chaetognath

Larvacean



Cnidarian

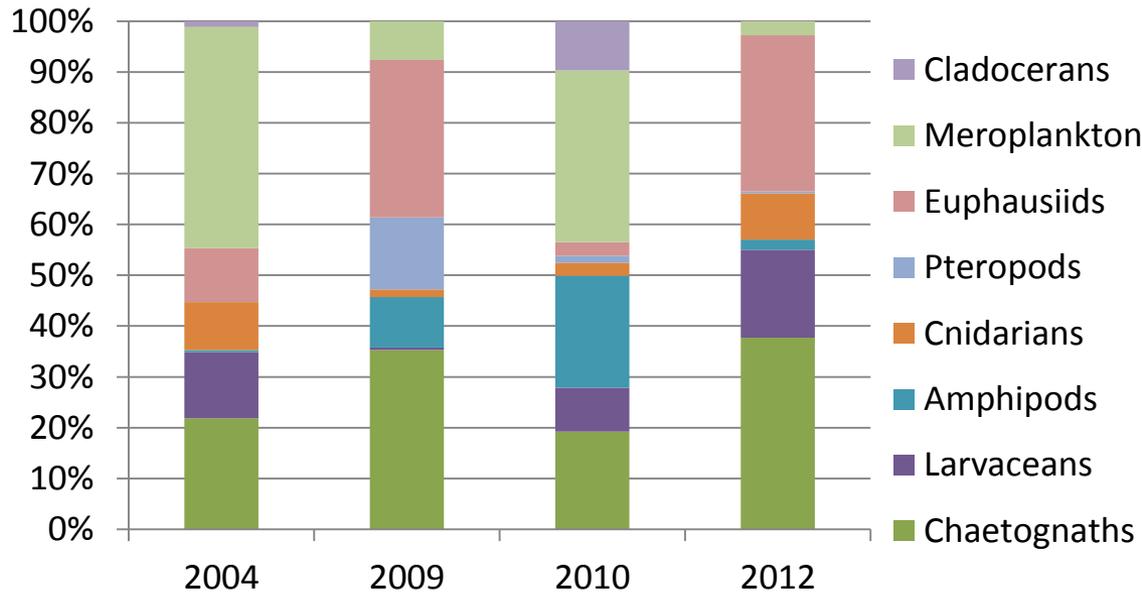
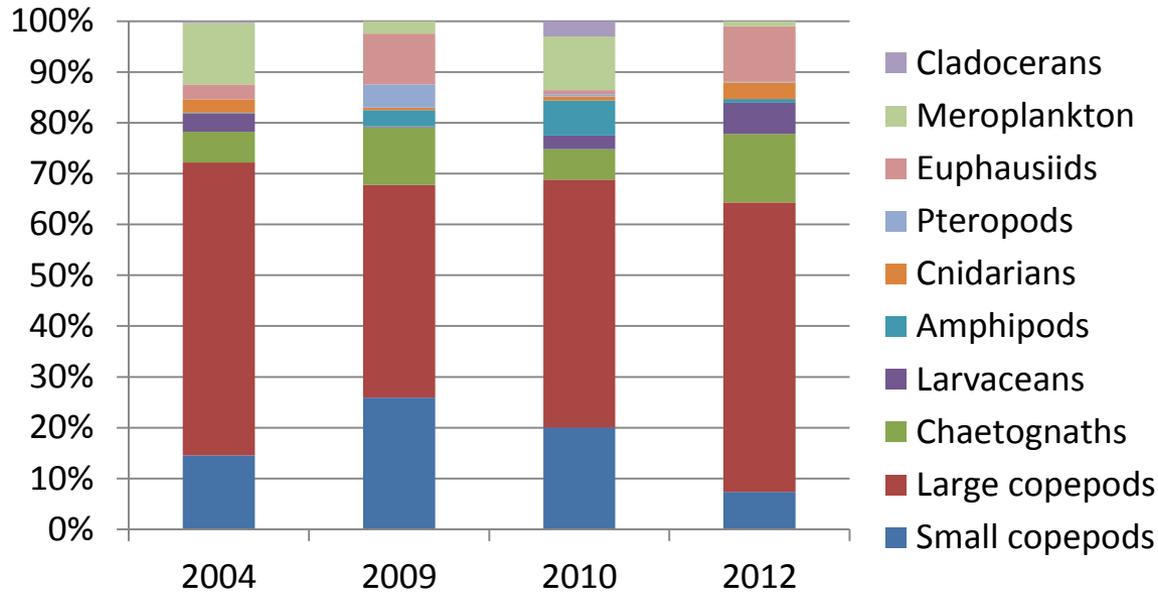
Pteropod

Euphausiids

Cladoceran

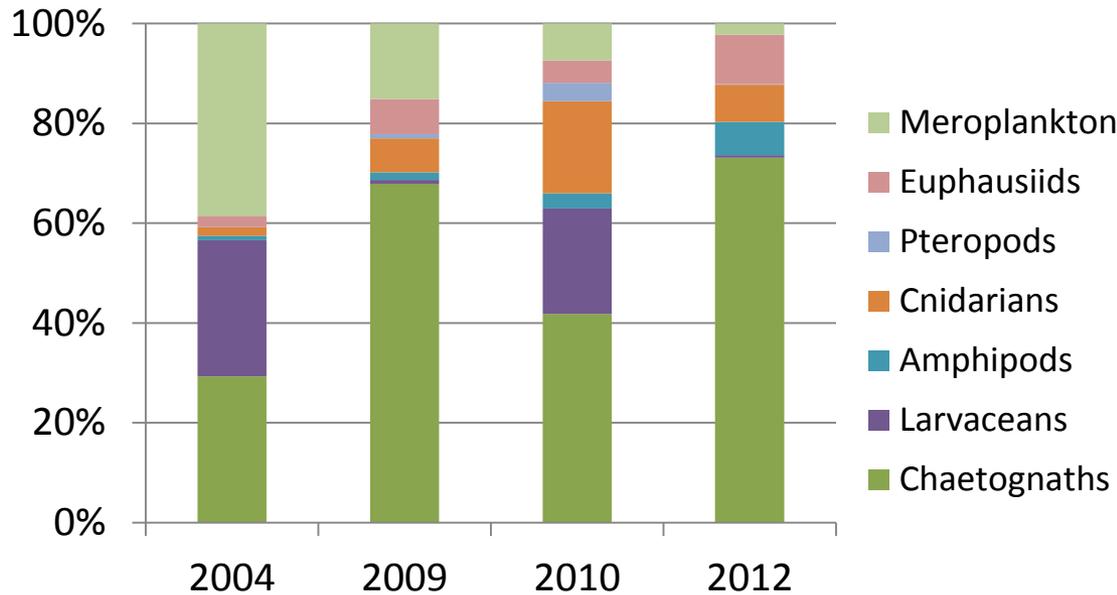
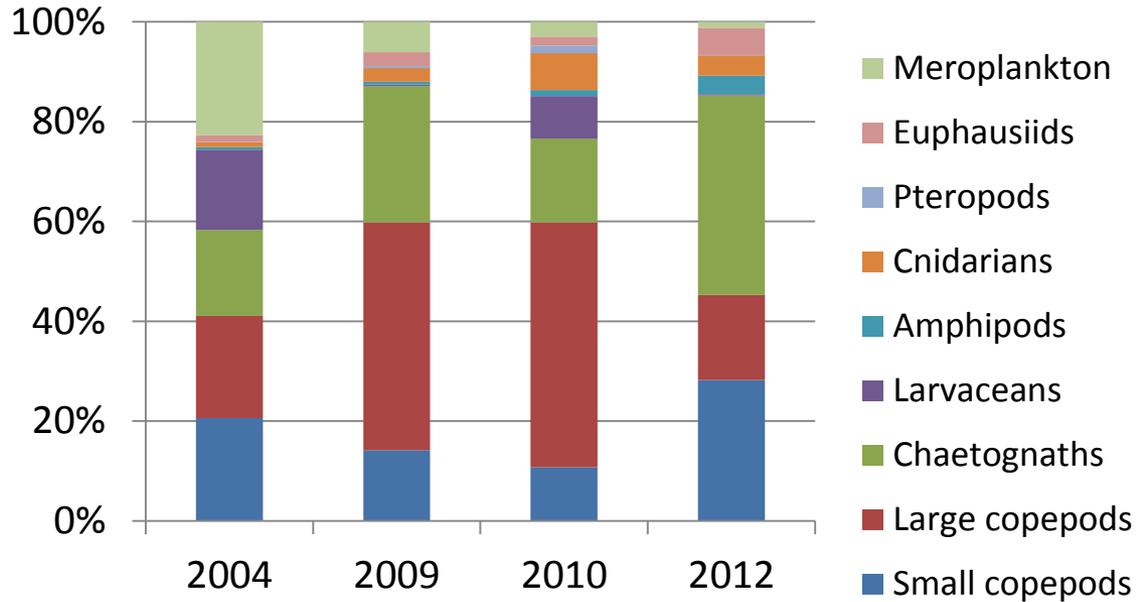
# Relative contribution of different groups (biomass)

## South Chukchi



# Relative contribution of different groups (biomass)

## North Chukchi (Herald Canyon)



Zoomed in without  
the copepods

# *Pseudocalanus* spp. as an indicator of water masses

